POWER SUPPLY

CITIZEN model CPC-1010/1012 is a dual-powered (high power solar + back-up battery) calculator operative under any lighting conditions.

-Auto power-off function-

The calculator switches the power off automatically if there has been no key entry for about 10 minutes.

-Battery change-

If the back-up battery needs to be changed, open the lower cabinet to remove the old battery and insert a new battery in the indicated polarity. After changing battery, please use a metal, elliptical object to press the RESET pad on printed circuit board.

KEY INDEX

[ON/C] : Power on / Clear key
[CE] : Clear entry
[→] : Shift-back key
[M+] : Memory plus key
[M–] : Memory minus key
[MRC] : Memory recall key / Memory clear key
[+/–] : ±Sign change key
[GT] : Grand total key
[⛁] : Universal currency key
[LOCAL] : Local currency key
[$\overset{\text{STORE}}{+\text{TAX}}$] : Price with tax key / To store tax rate when pressing [SET] and [+TAX] keys
[$\overset{\text{RECALL}}{-\text{TAX}}$] : Price without tax key / To recall tax rate when

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pressing [SET] and [-TAX] keys
[SET] : Exchange rate setting key/Tax rate setting key
[SELL] [MARGIN] [COST] :
Used for calculating the cost, selling price and profit margin amount. Enter the value of any 2 items to obtain the balance item.

THE SIGNS OF THE DISPLAY MEAN THE FOLLOWING:

M : Memory – : Minus (or negative)
GT : Grand total ERROR : Overflow-error
COST : Cost SELL : Selling price
MARGIN% : Margin percentage
MARGIN : Margin (Selling price-Cost)
% : Tax rate stored
TAX : Amount of tax
+TAX : Price including tax
–TAX : Price excluding tax
SET : Exchange rate or Tax rate setting

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1.Calculation Examples

Before performing each calculation, press the [ON/C] key.

Example	Key operation	Display
1 x 2 x 3 = 6	[ON/C]	0.
	1 [x] 2 [x] 3 [=]	GT 6.
	[CE]	GT 0.
8 – 3 = 5	8 [+] [–] 3 [=]	GT 5.
7 x 9 = 63	7 [÷] [x] 9 [=]	GT 63.
2 x 3 = 6	2 [x] 2 [CE] 3 [=]	GT 6.
2 + 4 + 6 = 12	2 [+] 3 [+] 6 [ON/C]	0.
	2 [+] 4 [+] 6 [=]	GT 12.

1234 x 100	12345	12’345.
= 123,400	[➔]	1’234.
	[x] 100 [=]	GT 123’400.

5 x 3 ÷ 0.2 = 75	5 [x] 3 [÷] 0.2 [=]	GT 75.

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8 ÷ 4 x 3.7 + 9 =16.4	8 [÷] 4 [x] 3.7 [+] 9 [=]	GT	16.4

300 x 27% = 81	300 [x] 27 [%]	GT	81.
$\frac{11.2}{56}$ x 100% = 20%	11.2 [÷] 56 [%]	GT	20.
300+(300x40%) =420	300 [+] 40 [%]	GT	420.
300–(300x40%) =180	300 [–] 40 [%]	GT	180.

5^4 = 625	5 [x] [=] [=] [=]	GT	625.
1 / 2 = 0.5	2 [÷] [=]	GT	0.5
$\frac{1}{(2 \times 5 - 6)}$ = 0.25	2 [x] 5 [–] 6 [÷] [=]	GT	0.25
$\sqrt{144}$ = 12	144 [$\sqrt{}$]	GT	12.

(–6) + 4 + 7.5 = 5.5	6 [+/–] [+] 4 [+] 7.5 [=]	GT	5.5
3 – 6 – 4 = –7	3 [–] 6 [–] 4 [=]	GT	–7.

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2.Memory Calculation

(12 x 4) – (20 ÷ 2) = 38	[ON/C]	0.
	12 [x] 4 [M+]	M 48.
	20 [÷] 2 [M–]	M 10.
	[MRC]	M 38.
	[MRC] [ON/C]	0.
15 x 2 = 30 20 x 3 = 60 25 x 4 = 100 (total A = 190) 150 ÷ 5 = 30 40 x 3 = 120 (total B = 150) A – B = 40	15 [x] 2 [M+]	M 30.
	20 [x] 3 [M+]	M 60.
	25 [x] 4 [M+]	M 100.
	150 [÷] 5 [M–]	M 30.
	40 [x] 3 [M–]	M 120.
	[MRC]	M 40.
	[MRC] [ON/C]	0.

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3.Constant Calculation

3 x 4 = 12 3 x 6 = 18	3 [x] 4 [=]	GT	12.
	6 [=]	GT	18.
12 ÷ 4 = 3 24 ÷ 4 = 6	12 [÷] 4 [=]	GT	3.
	24 [=]	GT	6.
2 + 3 = 5 4 + 3 = 7	2 [+] 3 [=]	GT	5.
	4 [=]	GT	7.
3 – 2 = 1 2 – 2 = 0	3 [–] 2 [=]	GT	1.
	2 [=]	GT	0.

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4.Overflow Error Clear (For CPC-1012)

123456789012 x 100 = 12345678901200	1234567890123 [→] [x] 100 [=] [ON/C]	ERROR 123'456'789'012. 123'456'789'012 ERROR 12.3456789012 0.

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5.GT-Memory

Pressing [GT] twice before you operate GT function.

20 + 10 = 30 45 – 25 = 20 50 x 3 = 150 total = 200 200 x 15% = 30 200 + (200 x15%) = 230	[ON/C] 20 [+] 10 [=]	GT 30.
	45 [–] 25 [=]	GT 20.
	50 [x] 3 [=]	GT 150.
	[GT]	GT 200.
	[x] 15 [%]	GT 30.
	[GT]	GT 230.
	[GT]	230.
	[ON/C]	0.

- All calculation results are automatically accumulated in GT.

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6.Tax Calculation

100+TAX(3%) =103 Tax sum = 3 Tax inclusive value = 103	3 [SET]	SET 3.
	[+TAX]	% 3.
	100 [+TAX]	+TAX 103.
	[+TAX]	TAX 3.
206–TAX(3%) =200 Tax sum = 6 Tax exclusive value = 200	[ON/C] [SET] [–TAX]	% 3.
	206 [–TAX]	-TAX 200.
	[–TAX]	TAX 6.

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7.Currency Exchange

USD : EURO = 1.2140 : 1 (LOCAL) (⛁)	[⛁] [SET] 1 [SET]	1.
	[LOCAL] [SET] 1.2140 [SET]	1.2140
EURO 10 = USD 12.14	[ON/C] 10 [⛁] [LOCAL]	12.14
USD 25 = EURO 20.59	25 [LOCAL] [⛁]	20.59

• It is not allowed to set the rate = 0

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8. Cost-Sell-Margin Calculation

Selling price： $1,000 Profit margin： 20% → Cost = 800 → Selling price-Cost = 200	1000 [SELL]	SELL 1000.
	20 [MARGIN]	COST 800.
	[MARGIN]	MARGIN 200.
Cost： 100 Selling price： $125 → Profit margin = 20% → Selling price-Cost = 25	100 [COST]	COST 100.
	125 [SELL]	MARGIN% 20.
	[MARGIN]	MARGIN 25.

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